

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK2004/000478

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N9/12 C12N15/54 C12N15/82 A01H5/00 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A01H C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 24 October 2002 (2002-10-24), SCHOEMAKER R. ET AL.: "Public soybean EST project" XP002299421 retrieved from EBI Database accession no. BU926725 nts 104-397 abstract</p> <p style="text-align: center;">----- -/--</p>	9-14

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

6 October 2004

Date of mailing of the international search report

21/10/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 14 December 2001 (2001-12-14), NAKAMURA Y.: "Structural analysis of a Lotus japonicus genome. I. Sequence features and mapping of fifty-six TAC clones which cover the 5.4 Mb regions of the genome" XP002299420 retrieved from EBI Database accession no. AP004515 nts. 59996-60581 abstract</p>	8
P,X	<p>RADUTOIU SIMONA ET AL: "Plant recognition of symbiotic bacteria requires two LysM receptor-like kinases." NATURE (LONDON), vol. 425, no. 6958, 9 October 2003 (2003-10-09), pages 585-592, XP002299417 ISSN: 0028-0836 the whole document</p>	1-26
P,X	<p>MADSEN ESBEN BJORN ET AL: "A receptor kinase gene of the LysM type is involved in legume perception of rhizobial signals." NATURE (LONDON), vol. 425, no. 6958, 9 October 2003 (2003-10-09), pages 637-640, XP002299418 ISSN: 0028-0836 the whole document</p>	1-26
A	<p>SCHAUSER L ET AL: "Symbiotic mutants deficient in nodule establishment identified after T-DNA transformation of Lotus japonicus" MOLECULAR AND GENERAL GENETICS, vol. 259, no. 4, September 1998 (1998-09), pages 414-423, XP002299419 ISSN: 0026-8925 cited in the application</p>	
A	<p>ENDRE GABRIELLA ET AL: "A receptor kinase gene regulating symbiotic nodule development" NATURE, MACMILLAN JOURNALS LTD. LONDON, GB, vol. 417, no. 6892, 27 June 2002 (2002-06-27), pages 962-966, XP002245535 ISSN: 0028-0836 cited in the application</p>	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>STRACKE SILKE ET AL: "A plant receptor-like kinase required for both bacterial and fungal symbiosis" NATURE, MACMILLAN JOURNALS LTD. LONDON, GB, vol. 417, no. 6892, 27 June 2002 (2002-06-27), pages 959-962, XP002245536 ISSN: 0028-0836 cited in the application -----</p>	